

FORM PTO-1390  
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

P56560PCT

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (if known, see 37CFR 1.5)

09/890440

INTERNATIONAL APPLICATION NO.  
PCT/KR00/01346INTERNATIONAL FILING DATE  
22 November 2000PRIORITY DATE CLAIMED  
9 December 1999TITLE OF INVENTION DRIVING CIRCUIT OF DC MICROWAVE OVEN AND METHOD OF  
CONTROLLING THE SAMEAPPLICANT(S) FOR DO/EO/US Samsung Electronics Co., Ltd. / Yong-Woon HAN, Seong-Deog JANG,  
Kwang-Seok KANG, Han-Jun SUNG

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 29(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(3)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36. (35 U.S.C. 371(c)(5))

**Items 11. to 16. below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 7.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

- International Search Report (PCT/ISA/210);  
 - WO 01/49079 A1  
 - PTO-1449  
 - Amendment under PCT Article 19 filed on 25 May 2001

U.S. APPLICATION NO. (if known, see 37CFR 1.5) <b>09/890440</b>		INTERNATIONAL APPLICATION NO. PCT/KR00/01346		ATTORNEY'S DOCKET NUMBER P56560PCT	
--------------------------------------------------------------------	--	-------------------------------------------------	--	---------------------------------------	--

<p>17. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p><b>BASIC NATIONAL FEE (37 CFR 1.492(a) (a)-(5)):</b></p> <p>Neither international preliminary examination fee (37CFR 1.782) nor international search fee (37CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1,000.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <b>\$860.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... <b>\$710.00</b></p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <b>\$690.00</b></p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Articles 33(1)-(4) ..... <b>\$100.00</b></p> <p style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></p> <p>Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 15%;">RATE</th> <th style="width: 15%;"></th> <th style="width: 15%;"></th> </tr> <tr> <td>Total claims</td> <td>25</td> <td>-20 =</td> <td>5</td> <td>X <b>\$18.00</b></td> <td>\$ 90.00</td> </tr> <tr> <td>Independent claims</td> <td>5</td> <td>-3 =</td> <td>2</td> <td>X <b>\$80.00</b></td> <td>\$ 160.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td>X <b>\$270.00</b></td> <td>\$</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="5">Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28)</td> <td>\$</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="5">Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))</td> <td>\$</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 1,250.00</td> </tr> <tr> <td colspan="5">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property</td> <td>\$ 40.00</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>TOTAL FEE ENCLOSED =</b></td> <td>\$ 1,290.00</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">Amount to be refunded \$</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">charged \$</td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	25	-20 =	5	X <b>\$18.00</b>	\$ 90.00	Independent claims	5	-3 =	2	X <b>\$80.00</b>	\$ 160.00	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)				X <b>\$270.00</b>	\$	<b>TOTAL OF ABOVE CALCULATIONS =</b>					\$ 1,250.00	Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28)					\$	<b>SUBTOTAL =</b>					\$ 1,250.00	Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))					\$	<b>TOTAL NATIONAL FEE =</b>					\$ 1,250.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property					\$ 40.00	<b>TOTAL FEE ENCLOSED =</b>					\$ 1,290.00						Amount to be refunded \$						charged \$	<p><b>CALCULATIONS PTO USE ONLY</b></p>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																
Total claims	25	-20 =	5	X <b>\$18.00</b>	\$ 90.00																																																																														
Independent claims	5	-3 =	2	X <b>\$80.00</b>	\$ 160.00																																																																														
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)				X <b>\$270.00</b>	\$																																																																														
<b>TOTAL OF ABOVE CALCULATIONS =</b>					\$ 1,250.00																																																																														
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28)					\$																																																																														
<b>SUBTOTAL =</b>					\$ 1,250.00																																																																														
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))					\$																																																																														
<b>TOTAL NATIONAL FEE =</b>					\$ 1,250.00																																																																														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property					\$ 40.00																																																																														
<b>TOTAL FEE ENCLOSED =</b>					\$ 1,290.00																																																																														
					Amount to be refunded \$																																																																														
					charged \$																																																																														

a. ☒ A check in the amount of \$ 1,290.00 to cover the above fees is enclosed.  
(Checks: #40024 for \$1,250.00 and #40025 for \$40.00)

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **02-4943**. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Robert E. Bushnell  
ROBERT E. BUSHNELL & LAW FIRM  
1522 K Street, N.W.,  
Suite 300  
Washington, D.C. 20005-1202  
Tel: (202) 408-9040  
Fax: (202) 289-7100

8/1/2001  
DATE

[Signature]  
SIGNATURE

Robert E. Bushnell  
NAME

27,774  
REGISTRATION NUMBER

0890440

PTO/SB/17 (08-00)

Approved for use through 9/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**

Patent fees are subject to annual revision.

**Complete If Known**

Application Number	International application No.: PCT/KR00/01346
Filing Date	international Filing Date: 11/22/00
First Named Inventor	Yong-Woon HAN et al.
Examiner Name	to be assigned
Group/Art Unit	to be assigned
Attorney Docket No.	P56560PCT

TOTAL AMOUNT OF PAYMENT

(\$)1,290.00**METHOD OF PAYMENT (check one)**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943  
 Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**  
**(CHECKS #40024 & #40025)**

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$
106	320	206	160	Design filing fee	\$
107	490	207	245	Plant filing fee	\$
108	710	208	355	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$

**SUBTOTAL (1)** (\$).00

**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total claims	-20** =	x	=
Independent Claims	-3** =	x	=

Multiple Dependent

=

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)0.00

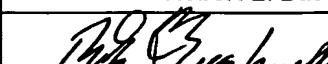
**3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	1356t	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	390	216	195	Extension for reply within second month	\$
117	890	217	445	Extension for reply within third month	\$
118	1,390	218	695	Extension for reply within fourth month	\$
128	1,890	228	945	Extension for reply within fifth month	\$
119	310	219	155	Notice of Appeal	\$
120	310	220	155	Filing a brief in support of an appeal	\$
121	270	221	135	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,240	241	620	Petition to revive - unintentional	\$
142	1,240	242	620	Utility issue fee (or reissue)	\$
143	440	243	220	Design issue fee	\$
144	600	244	300	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	240	126	240	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$40.00
146	710	246	355	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	710	249	355	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
Other Fee (specify)				960 Basic National Stage Fee	\$1,000.00
Other Fee (specify)				964 additional independent claims (2)	\$160.00
Other Fee (specify)				966 extra total claims (5)	\$80.00

\*\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** **\$1,290.00**

**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774
Signature		Date	1 August 2001	Deposit Account User ID

REB/kf

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

YONG-WOON HAN *et al.*

U.S. Serial No.: *to be determined* Priority date: 9 December 1999

I. A. No.: PCT/KR00/01346 I.A. Filing date: 22 November 2000

U.S. Filing Date: May 8, 2001

For: DRIVING CIRCUIT OF DC MICROWAVE OVEN AND METHOD OF  
CONTROLLING THE SAME


**TRANSMITTAL OF DECLARATION**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

This transmittal accompanies the Declaration for the above-captioned PCT application.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
Washington, D.C. 20005  
(202) 408-9040

Folio: P56560PCT  
Date: 08/01/1  
I.D.: REB/kf